

44712 (Item 7 from file: 350)
001642081 WPI Acc No: 76-76526X/41
XRAM Acc No: C76-X76526

Lawn colouring agent - comprising cobalt phthalo-cyanine complex having coordination number 6

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Number of Patents: 002

Patent Family:

CC Number	Kind	Date	Week
JP 51096446	A	760824	7641 (Basic)
JP 82034781	B	820724	8233

Priority Data (CC No Date): JP 7518723 (750217)

Abstract (Basic): A colouring agent for lawns which has good light-resistance, is not washed out by rain, has good colouring property and does not kill lawns comprises six-coordinated cobalt-phthalocyanine complex, (I) which consists of a six-coordinated cobalt-phthalocyanine complex coordinated with an aliphatic polyamine (e.g. ethylenediamine, dimethyl aminopropyl amine, etc.) at the two coordination sites which are not coordinated to the phthalocyanine ring and (in)organic acid residue (e.g. residual root of various kinds of halogenic acid, mineral acid such as nitric acid, sulphuric acid, etc., lower aliphatic acid such as formic acid, acetic acid, etc.). This dye gives highly transparent, concd. and distinct green to blue colour. The dye adheres well to lawns because of the high viscosity of its aq. soln. (weakly acidic) and when adhered the dye transforms to insoluble colouring matter by evapn. of the acids or with addn. of slightly alkaline substance. The agent prevents soil erosion and improves the appearance of gradens, parks, factories, airports, sports grounds, etc.

Derwent Class: C01; E23; P13;

Int Pat Class: A01G-007/06; C09B-047/04